

LNP™ LUBRICOMP™ Cypoloy_C2801

compound

Polycarbonate + ABS

SABIC Innovative Plastics

Message:

5% PTFE reinforced PC+ABS wear resistant flame retardant resin for moving components in business equipment. Medium heat performance

General Information			
Additive	PTFE lubricant (5%)		
Features	Good wear resistance		
	Heat resistance, medium		
	Lubrication		
	Flame retardancy		
Uses	Business equipment		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.22	g/cm ³	ASTM D792
Molding Shrinkage			Internal method
Flow: 3.20mm	0.40 - 0.50	%	Internal method
Transverse flow: 3.20mm	0.30 - 0.50	%	Internal method
K (wear) Factor ¹	430		Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ²			ASTM D638
Yield	62.1	MPa	ASTM D638
Fracture	51.7	MPa	ASTM D638
Tensile Elongation ³ (Break)	110	%	ASTM D638
Flexural Modulus ⁴ (100 mm Span)	2720	MPa	ASTM D790
Flexural Strength ⁵ (Yield, 100 mm Span)	95.1	MPa	ASTM D790
Coefficient of Friction			ASTM D1894
With steel-dynamic	0.21		ASTM D1894
With steel-static	0.16		ASTM D1894
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	130	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed, 6.40 mm)	82.2	°C	ASTM D648
RTI Elec	60.0	°C	UL 746
RTI Imp	60.0	°C	UL 746
RTI	60.0	°C	UL 746

Electrical	Nominal Value	Test Method
Comparative Tracking Index (CTI)	PLC 1	UL 746
High Amp Arc Ignition (HAI)	PLC 0	UL 746
Hot-wire Ignition (HWI)	PLC 3	UL 746
Flammability	Nominal Value	Test Method
Flame Rating		UL 94
1.50 mm	V-0	UL 94
2.49 mm	5VB	UL 94
NOTE		
1.	xE-10, PV=2000 psi-fpm vs Steel	
2.	Type 1, 50mm/min	
3.	Type 1, 50mm/min	
4.	2.6 mm/min	
5.	2.6 mm/min	

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